

## Table of Contents

<b>1.0</b>	<b>INTRODUCTION.....</b>	<b>1</b>
<b>2.0</b>	<b>GENERAL DESCRIPTION.....</b>	<b>3</b>
2.1	Landownership.....	3
2.2	Topography and Vegetation.....	3
2.3	Precipitation .....	4
2.4	Population .....	7
2.5	Land Uses – Economic Development.....	7
2.6	Roads.....	7
<b>3.0</b>	<b>EXISTING CONDITIONS AND RESOURCES .....</b>	<b>8</b>
3.1	Risk of Fires and Fire Frequency .....	8
3.2	Fuel Load Model.....	11
3.3	Slope Risk Model.....	12
3.4	Interagency Fire Agreements .....	12
3.5	Lost River Fire Protection District.....	15
3.6	Lost River Fire Protection District Overview .....	16
3.7	Arco Fire Department .....	18
3.8	Idaho National Engineering and Environmental Laboratory (INEEL).....	20
3.9	Craters of Moon National Monument.....	21
3.10	Arco Fire and Structure Hazard Assessment and Community Assessment.....	24
3.11	LRFPD (Moore) Fire and Structural Hazard Assessment and Community Assessment.....	29
3.12	LRFPD (Butte City) Fire and Structural Hazard Assessment and Community Assessment.....	35
<b>4.0</b>	<b>SPECIFIC MITIGATIONS.....</b>	<b>44</b>
4.1	Butte County .....	44
4.2	Arco Fire Department .....	45
4.3	Lost River Fire Protection District (LRFPD).....	46
4.4	Arco Fire Department and LRFPD Mitigation .....	46
4.5	Howe and Antelope Road Mitigation .....	55

## List of Tables

Table 1. Land Status of Butte County, Idaho.....	3
Table 2. Monthly Climate Summary for Arco, Idaho.....	4
Table 3. Monthly Climate Summary for Howe, Idaho .....	4
Table 4. Arco, Butte City, and Moore Populations.....	7
Table 5. Road Classifications for Butte County .....	7
Table 6. LRFPD Personnel .....	15
Table 7. LRFPD Equipment .....	16
Table 8. Lost River Fire Protection District Assessment.....	16
Table 9. Arco Fire Department Personnel .....	18
Table 10. Arco Fire Department Equipment.....	18
Table 11. Arco Fire Department Radio Frequencies .....	19
Table 12. Arco Fire Department Assessment .....	19
Table 13. Brush Unit Specifications for the INEEL .....	21
Table 14. Fire Hazard Assessment for Arco.....	25
Table 15. Structural Hazard Assessment for Arco.....	26
Table 16. Community Assessment for Arco.....	26
Table 17. Fire Hazard Assessment for LRFPD (Moore) .....	30
Table 21. Structural Hazard Assessment for LRFPD (Butte City) .....	37
Table 22. Community Assessment for LRFPD (Butte City) .....	38
Table 23. Arco Fire Department Existing Needs: Capital Expenses .....	45
Table 24. Arco Fire Department Existing Needs: Training and Certification.....	45
Table 25. Arco Fire Department Existing Needs: Communication.....	45
Table 26. Arco Fire Department Existing Needs: Prevention and Inspection.....	45
Table 27. Arco Fire Department Existing Needs: Public Education .....	45
Table 28. LRFPD Existing Needs: Capital Expenses.....	46
Table 29. LRFPD Existing Needs: Training and Certification.....	46
Table 30. LRFPD Existing Needs: Communication.....	46
Table 31. LRFPD Existing Needs: Prevention and Inspection.....	46
Table 32. LRFPD Existing Needs: Public Education .....	46
Table 33. Simplified Weed Treatments .....	51

## List of Figures

Figure 1. Butte County Land Ownership.....	5
Figure 2. Butte County vegetation map .....	6
Figure 3. Assessment areas within Butte County .....	9
Figure 4. Butte County fire frequencies.....	10
Figure 5. Fuels next to State Highway 20/26.....	11
Figure 6. Juniper encroachment along State Highway 22. ....	11
Figure 7. Butte County Fuel Load Model.....	13
Figure 8. Butte County Slope Risk Model.....	14
Figure 9. Lost River Fire Protection District. ....	17
Figure 10. Entrance to Craters of the Moon National Monument. ....	22
Figure 11. Lost Rivers Dental Center (in photo). ....	28
Figure 12. Interface between Danielson Addition and Hilltop Subdivision.....	28
Figure 13. Interface directly east of Danielson Addition and Hilltop Subdivision. ....	29
Figure 14. Single-family dwelling along King Mountain Road. ....	33
Figure 15. Single-family dwelling along King Mountain Road. ....	33
Figure 16. Single-family dwelling showing good fire prevention measures. ....	34
Figure 17. Single-family dwelling one block east of Moore .....	34
Figure 18. Single-family dwelling east of Moore.....	35
Figure 19. Flammable cheatgrass field two miles north of Moore on 3350W and 3400N....	35
Figure 20. Dwelling along 2900 West with hazardous fuels near structures.....	39
Figure 21. Dwelling along 2900 West with hazardous fuels within 10 feet of structures....	40
Figure 22. Dwelling along 2900 West with hazardous fuels within 10 feet of structure. ....	40
Figure 23. Single-family dwelling approximately 2 miles southwest of Butte City. ....	41
Figure 24. Typical single-family dwellings adjacent to agriculture land. ....	41
Figure 25. Single-family dwelling located along the Big Lost River.....	42
Figure 26. Trailer along 3100 West with hazardous fuels within 10 feet of structure. ....	42
Figure 27. Single-family dwelling adjacent to agricultural land. ....	43
Figure 28. Weed infestation 0.5 mile southeast of Butte City along 2700 west.....	53
Figure 29. Limited capacity bridge.....	54
Figure 30. Potential dry hydrant source 0.5 mile northeast of Butte City along 2350 N. ....	54
Figure 31. Single-family dwelling along the Little Lost River Valley Highway. ....	55
Figure 32. Potential dry hydrant location at Warm Springs Creek.....	56
Figure 33. Potential dry hydrant location on Wet Creek .....	56
Figure 34. Potential dry hydrant location near Pass Creek Summit. ....	57
Figure 35. Crested wheatgrass along Antelope Creek Road.....	60
Figure 36. Single-family dwelling 15 miles west of Antelope Creek Road. ....	61
Figure 37. Hazardous fuel loads along Antelope Road 12.5 miles west of Highway 93. ....	61
Figure 38. Potential dry hydrant located 4.0 miles southwest of Highway 93.....	62